

## Patent Abstracts of Japan

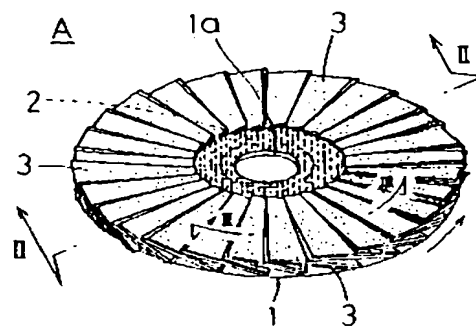
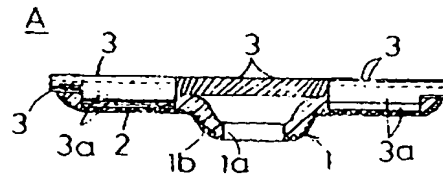
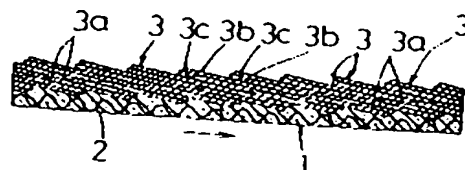
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TITLE : ROTARY GRINDING POLISHING TOOL



ABSTRACT : PURPOSE: To permit a rotary grinding polishing tool using a polishing cloth to be used at the number of revolution compared to that of a conventional grindstone, keeping the superior polishing and grinding works, by forming the fixing structure of the polishing cloth for a substrate into an integrally planted structure.

CONSTITUTION: A disc-shaped substrate 1 molded by pouring thermosetting resin has, at the center, an installation hole 1a for the installation onto a rotary shaft and has an offset part 1b for the back-surface side, on the periphery of the hole 1a. A reinforcing glass cloth 2 is buried into the substrate 1 so as to be parallel to the front and back surfaces. A plurality of a pair which is formed by the superposition of two or three pieces of polishing cloth which has a nearly square form and has a projection part 3a at one edge are planted onto the surface outer-peripheral part of the substrate 1, through each projection part 3a. Each pair of polishing cloth 3 is arranged radially with respect to the substrate 1 and in the circumferential direction, allowing a part of the back surface 3c of each polishing cloth 3 to be superposed onto the polishing surface 3b of the polishing cloth 3 on the rear side in the direction of revolution of the substrate 1.

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